

Serial Number 10/658,254

## IN THE SPECIFICATION

Please amend page 7, line 30 to page 8, line 5, as follows:

As shown in fig. 2, the micro reaction tank 10 s formed by a micro heater 101 mounted on the top layer of the bottom plate 11, and a micro temperature detector 102 and electrodes also mounted on the top layer of the bottom plate 11, said temperature detector 102 and electrodes 103 being associated with apertures 21' mounted on both the intermediate plate 12 and the top cover plate 13. The micro heater 101 is for heating samples. The micro temperature detector 102 is for detecting temperatures of samples placed in the micro reaction tank 10, and the apertures 21' allow samples function as reaction tanks wherein samples are placed. The temperature of the micro reaction tank 10 is controlled via an IC control that can be externally connected or internally built on the biochip 100.